



Attorney's Docket No.: 01948-056001

1645  
#12

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Applicant : Terry B. Strom et al. Art Unit : 1645  
Serial No. : 09/855,313 Examiner : Unknown  
Filed : May 14, 2001  
Title : COMPOSITIONS AND METHODS FOR ACHIEVING IMMUNE TECH CENTER 1600/2900  
SUPPRESSION

Commissioner for Patents  
Washington, D.C. 20231

APR 12 2002

INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the attached form PTO-1449, copies of which are enclosed.

This statement is being filed before the receipt of a first Office action on the merits.  
Please apply any charges to Deposit Account No. 06-1050 referencing 01948-056001.

Respectfully submitted,

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Sheet 1 of 3

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Substitute Form PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 01948-056001	Application No. 09/855,313
<b>Information Disclosure Statement</b> by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Terry B. Strom, et al. Filing Date May 14, 2001		
		Group Art Unit 1645		

APR 11 2002  
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U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA	5,116,964	May 26, 1992	Capon, et al			
	AB	5,552,303	Sept. 3, 1996	Grabstein, et al			
	AC	5,574,138	Nov. 12, 1996	Grabstein, et al			
	AD	5,707,616	Jan. 13, 1998	Grabstein, et al			
	AE	5,747,024	May 5, 1998	Grabstein, et al			
	AF	5,892,001	Apr. 6, 1999	Grabstein, et al			

Foreign Patent Documents or Published Foreign Patent Applications							
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes      No
AG	WO 88/07089	/ 22 Sept 1988		WIPO			
AH	WO 93/08207	/ 29 Apr 1993		WIPO			
AI	WO 93/19770	/ 14 Oct 1993		WIPO			
AJ	WO 94/04180	/ 3 Mar 1994		WIPO			
AK	WO 94/04570	/ 3 Mar 1994		WIPO			
AL	WO 94/17773	/ 18 Aug 1994		WIPO			
AM	WO 95/06480	/ 9 Mar 1995		WIPO			
AN	WO 95/06481	/ 9 Mar 1995		WIPO			
AO	WO 95/06666	/ 9 Mar 1995		WIPO			
AP	WO 95/27722	/ 19 Oct 1995		WIPO			
AQ	WO 95/28957	/ 2 Nov 1995		WIPO			
AR	WO 96/16665	/ 6 Jun 1996		WIPO			
AS	WO 96/23071	/ 1 Aug 1996		WIPO			
AT	WO 96/26274	/ 29 Aug 1996		WIPO			
AU	WO 96/40246	/ 19 Dec 1996		WIPO			
AV	WO 97/17446	/ 15 May 1997		WIPO			
AW	WO 97/20063	/ 5 Jun 1997		WIPO			
AX	WO 97/22256	/ 26 Jun 1997		WIPO			

Examiner Signature	Date Considered
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(37 CFR §1.98(b))					

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**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AY	WO 97/26000	24 Jul 1997	WIPO				
	AZ	WO 97/34633	25 Sep 1997	WIPO				
	AAA	WO 98/01145	15 Jan 1998	WIPO				
	ABB	WO 98/52606	26 Nov 1998	WIPO				
	ACC	WO 98/56417	17 Dec 1998	WIPO				
	ADD	WO 98/58672	30 Dec 1998	WIPO				
	AEE	WO 99/00143	7 Jan 1999	WIPO				
	AFF	WO 99/12566	18 Mar 1999	WIPO				

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AGG	Lin, et al. <i>The Role of Shared Receptor Motifs and Common Stat Proteins in the Generation of Cytokine Pleiotropy and Redundancy by IL-2, IL-4, IL-7, IL-13, and IL-15</i> . <i>Immunity</i> , 2:331-339 (Apr. 1995).
	AHH	Morrison, et al. <i>Structural Determinants of Human IgG Function</i> . <i>The Immunologist</i> 2(4):119-124 (1994).
	AIW	Brekke, et al. <i>Structure-Function Relationships of Human IgG</i> . <i>The Immunologist</i> 2(4):125-130 (1994).
	AJJ	Pettit, et al. <i>Structure-Function Studies of Interleukin 15 using Site-specific Mutagenesis, Polyethylene Glycol Conjugation, and Homology Modeling</i> . <i>The Journal of Biological Chemistry</i> 272(4): 2312-2318 (1997).
	AKK	Stevens, et al. <i>Interleukin-15 signal, T84 colonic epithelial cells in the absence of the interleukin-2 receptor β-chain</i> . <i>Am. J. Physiol.</i> 272:G1-G8 (1997).
	ALL	Armitage, et al. <i>IL-15 Has Stimulatory Activity for the Induction of B Cell Proliferation and Differentiation</i> . <i>Journal of Immunology</i> 154:483-490 (1995).
	AMM	Chae, et al. <i>Distribution of IL-15 Receptor α-Chains on Human Peripheral Blood Mononuclear Cells and Effect of Immunosuppressive Drugs on Receptor Expression</i> . <i>Journal of Immunology</i> 157:2813-2819 (1996).
	ANN	Moreland, et al. <i>Treatment of Rheumatoid Arthritis with a Recombinant Human Tumor Necrosis Factor Receptor (p75)-Fc Fusion Protein</i> . <i>N. Engl. J. Med.</i> 337(3):141-147 (1997).
	AOO	Elliott, et al. <i>Repeated therapy with monoclonal antibody to tumor necrosis factor α (cA2) in patients with rheumatoid arthritis</i> . <i>Lancet</i> 344(8930):1125-1127 (1994).
	APP	Elliott, et al. <i>Randomized double-blind comparison of chimeric monoclonal antibody to tumour necrosis factor α (cA2) versus placebo in rheumatoid arthritis</i> . <i>Lancet</i> 344(8930):1105-1110 (1994).
	AQQ	Williams, et al. <i>Successful therapy of collagen-induced arthritis with TNF receptor-IFG fusion protein and combination with anti-CD4</i> . <i>Immunology</i> 84(3): 433-439 (1995).

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JULY 2000

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(37 CFR §1.98(b))		Filing Date May 14, 2001	Group Art Unit 1645

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<b>Other Documents (include <del>Initials</del>, Title, Date, and Place of Publication)</b>		
Examiner Initial	Desig. ID	Document
	ARR	Wooley, et al. <i>Influence of a Recombinant Human Soluble Tumor Necrosis Factor Receptor FC Fusion Protein on Type II Collagen-Induced Arthritis in Mice</i> . Journal of Immunology 151(11):6442-6607 (1993).
	ASS	Vey, et al. <i>IFN-γ and 1,25(OH)₂D₃ Induce on THP-1 Cells Distinct Patterns of Cell Surface Antigen Expression, Cytokine Production, and Responsiveness to Contact with Activated T Cells</i> . Journal of Immunology 149(6):2040-2046 (1992).
	ATT	Courtenay, et al. <i>Immunisation against heterologous type II collagen induces arthritis in mice</i> . Nature 283(5748): 666-668 (1980).
	AUU	Burger, et al. <i>Imbalance between interstitial collagenase and tissue inhibitor of metalloproteinases 1 in synoviocytes and fibroblasts upon direct contact with stimulated T Lymphocytes</i> . Arthritis & Rheumatism 41(10):1748-1759 (1998).
	AVV	Kim, et al. <i>Targeting the IL-15 Receptor with an Antagonist IL-15 Mutant/Fcγ2a Protein Blocks Delayed-Type Hypersensitivity</i> . Journal of Immunology 160:5742-5748 (1998).
	AWW	Li, et al. <i>Induction of Allograft Tolerance in the Absence of Fas-Mediated Apoptosis</i> . Journal of Immunology 163:2500-2507 (1999).
	AXX	Kim, et al. <i>Targeting the IL-15 Receptor with an Antagonist IL-15/Fcγ2a Protein Blocks DTH and Enhances the Acceptance of Islet Allografts</i> . 17 <sup>th</sup> ASTP (Physicist) Annual Meeting, Chicago, IL May 9-13, 1998 (p. 713).
	AYY	Kirk, et al. <i>Treatment of humanized monoclonal antibody against CD154 prevents acute renal allograft rejection in nonhuman primates</i> . Nature Medicine 5(6):686-693 (1999).
	AZZ	Nickerson, et al. <i>Prolonged islet allograft acceptance in the absence of interleukin 4 expression</i> . Transplant Immunology 4:81-85 (1996).
	AAAA	Lakkis, et al. <i>Interleukin 4 receptor targeted cytotoxicity: genetic construction and in vivo immunosuppressive activity of a diphtheria toxin-related murine interleukin 4 fusion protein</i> . Eur. J. Immunol. 21:2253-2258 (1991).
	ABBB	Li, et al. <i>Blocking both signal 1 and signal 2 of T-cell activation prevents apoptosis of alloreactive T cells and induction of peripheral allograft tolerance</i> . Nature Medicine 5(11):1298-1302 (1999).

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